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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

January 31, 2006

**Applicant:** Alex Nugent      **Group:** 2121  
**Serial No.:** 10/748,631      **Examiner:** Anthony Knight  
**Filed:** December 30, 2003      **Atty Docket No.:** 1000-1216  
**For:** APPLICATION OF HEBBIAN AND ANTI-HEBBIAN LEARNING TO  
NANOTECHNOLOGY-BASED PHYSICAL NEURAL NETWORKS

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The following sections are being submitted for this Supplemental Information Disclosure Statement:

1. Preliminary Statements.

Applicant(s) submits herewith additional patents, publications or other information that they believe may or may not be material to the patentability of the claims under consideration in this application and in respect of which there may be a duty to disclose under 37 C.F.R. § 1.56.

The filing of this Supplemental Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56 (37 C.F.R. § 1.97(h)), or that no other material information exists.

The filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that the references are prior art within the meaning of 35 U.S.C. §§ 102 or 103. Further, any explanation, if provided, is not to be construed as a representation that the references have been thoroughly reviewed. In particular, no representation as to the relevance of any portion of any reference is intended.

The filing of this Supplemental Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

2. Form PTO-1449, List of Prior Art Cited by Applicant, citing 1 U.S. patents and/or patent application publications, 0 foreign patent and/or publications, and 3 non-patent references containing other information.

3. Attached to this Supplemental Information Disclosure Statement is a copy of Form PTO 1449 and accompanying references, for consideration by the U.S. Patent and Trademark Office. Copies of the references listed in the

Form PTO 1449 that have not been provided are believed to define the general state of the art and are not considered to be of particular relevance.

4. These references are in addition to those listed in any Supplemental Information Disclosure Statement and Form PTO 1449 filed previously with the U.S.P.T.O.

5.  This Supplemental Information Disclosure Statement is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by the statement specified in 37 CFR 1.97(e).

6. Statement in accordance with 37 C.F.R. § 1.97(e):

(1) Each item of information contained in the Supplemental Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Supplemental Information Disclosure statement; or

(2) No item of information contained in the Supplemental Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the Supplemental Information Disclosure statement after making reasonable inquiry, no item of information contained in the Supplemental Information Disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Supplemental Information Disclosure statement.

7. The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor(s) and the information in the attorney's file.

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CERTIFICATE OF MAILING

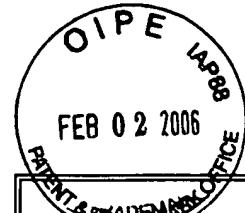
I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231:

37 CFR 1.8(a)(1)(A)  
With the United States Postal Service  
with sufficient postage as first class  
mail in an envelope.  
Dated: January 31, 2006

37 CFR 1.8(a)(1)(B)  
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37 CFR 1.10  
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Kermit D. Lopez  
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